



U.S. Department  
of Transportation

Pipeline and  
Hazardous Materials  
Safety Administration

400 Seventh Street, S.W.  
Washington, D.C. 20590

**JUL 26 2005**

DOT-E 7041  
(EIGHTH REVISION)

EXPIRATION DATE: June 30, 2007

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Albemarle Corporation  
Baton Rouge, LA
2. PURPOSE AND LIMITATION:
  - a. This exemption authorizes the transportation in commerce of certain waste organometallic compound dispersions and hydrocarbon solvent in prescribed non-DOT specification cargo tanks with agitators. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
  - b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.244 in that MC-331 type non-DOT specification cargo tanks with an agitator are authorized. All other requirements of 173.244(b) remain in effect.
5. BASIS: This exemption is based on the application of Albemarle Corporation dated June 24, 2005, submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

| Hazardous Materials Description   |                           |                       |               |
|---|---------------------------|-----------------------|---------------|
| Proper Shipping Name  | Hazard Class/<br>Division | Identification Number | Packing Group |
| Waste organometallic substance, liquid, water-reactive, flammable (Magnesium-aluminum alkyls/magnesium dispersions in hydrocarbon solvents)   | 4.3                       | UN3399                | I             |
| Waste organometallic substance, liquid, water-reactive, flammable (Sodium aluminum hydride/aluminum dispersions in hydrocarbon solvents)  | 4.3                       | UN3399                | I             |
| Waste organometallic substance, liquid, pyrophoric, water-reactive (containing not more than 30 weight percent triethylaluminum, triisobutylaluminum, tri-n-butylaluminum, tri-n-hexylaluminum, tri-n-octylaluminum, and/or mixtures thereof in hydrocarbon solvents) | 4.2                       | UN3394                | I             |
| Waste organometallic substance, liquid, pyrophoric, water-reactive (containing not more than 30 weight percent methylaluminum sesquichloride, ethylaluminum sesquichloride, various ethylaluminum chlorides and/or mixtures thereof of hydrocarbon solvents)          | 4.2                       | UN3394                | I             |
| <b><i>This entry may be used until January 1, 2006</i></b><br><br>Waste organometallic compound dispersion, water-reactive, flammable, n.o.s. (magnesium-aluminum alkyls/magnesium dispersons in hydrocarbon solvents)  | 4.3                       | UN3207                | I             |

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| Hazardous Materials Description  |                        |                       |               |
|--|------------------------|-----------------------|---------------|
| Proper Shipping Name   | Hazard Class/ Division | Identification Number | Packing Group |
| <b><i>This entry may be used until January 1, 2006</i></b><br><br>Waste organometallic compound dispersion, water-reactive, flammable, n.o.s. (sodium aluminum hydride/aluminum dispersants in hydrocarbon solvents) | 4.3                    | UN3207                | I             |

7. SAFETY CONTROL MEASURES:

- a. PACKAGING - Prescribed packagings are insulated non-DOT specification 4,000 gallon capacity cargo tanks of the MC-331 type, except that the tanks are supported by cantilevers instead of a sub-frame and each tank is equipped with top mounted model 73S10 agitators. The tanks must comply with Albemarle's (formerly Ethyl) Corporation's drawing number 4402101 and related drawings and specifications on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA).
- b. TESTING - Each cargo tank must be reinspected and retested as prescribed for DOT Specification MC-331 cargo tanks as specified in § 180.407(g)(1)(ix).

8. SPECIAL PROVISIONS:

- a. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.
- b. Additional waste organometallic compound dispersion compositions must be submitted for authorization in writing to the OHMEA prior to their first shipment.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.10. MODAL REQUIREMENTS:

- a. A current copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.

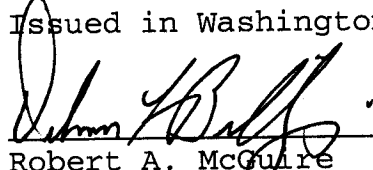
- b. Each cargo tank must be plainly marked on the right side near the front, in letters at least two inches high on a contrasting background, "DOT-E 7041".
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
  - o Persons operating under the terms of this exemption must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
  - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this exemption are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this exemption must notify the Associate Administrator for Hazardous Materials Safety -- OHMEA, in writing, of any incident involving a package, shipment or operation conducted under terms of this exemption.

Issued in Washington, D.C.:

*for*   
Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

JUL 26 2005

DATE

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Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-31.

Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: SW/ALB